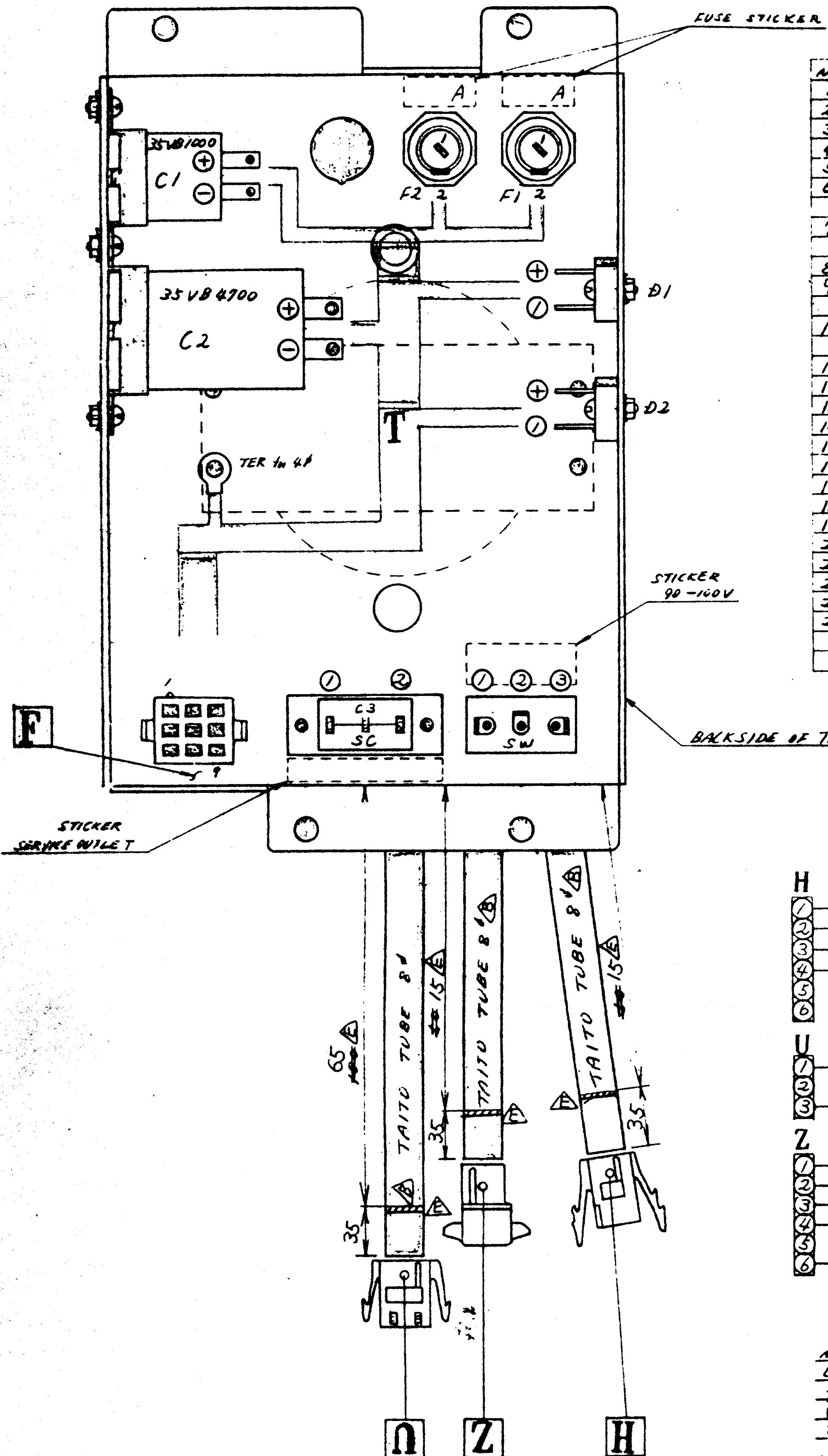
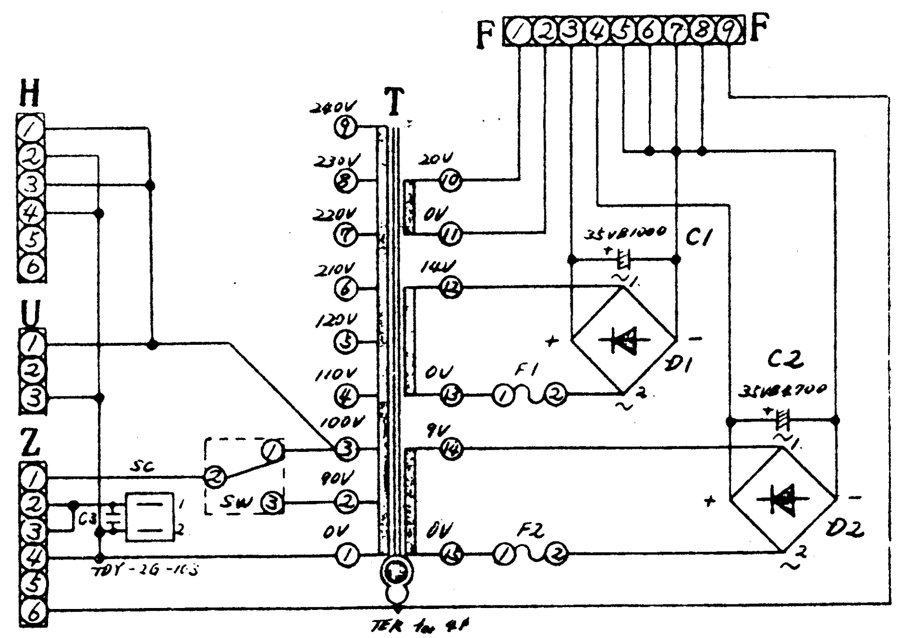
△	M-13-31 [illegible]	[illegible]	[illegible]
△	M-13-41 [illegible]	[illegible]	[illegible]
△	M-13-52 [illegible]	[illegible]	[illegible]
▲	M-13-56 [illegible]	[illegible]	[illegible]



NO	WIRING	W-C	UL	AWG	DESCRIPTION
1	Z(1) ——— SW(2)	W-BK	1007	#18	
2	Z(2) ——— SC(1)	BR	↑	↑	
3	Z(3) ——— SC(1)	BR			
4	Z(4) ——— SC(2)	W			
5	Z(6) — TER — F(9)	G			EARTH
6	SC(2) —┬— H(2)	W			AC 0V
	└— H(4)	W			
7	T(1) —┬— SC(2)	W			
	└— U(3)	W			
8	T(2) ——— SW(3)	GY			AC 90V
9	T(3) —┬— SW(1)	BR			AC 100V
	└— U(1)	BR			
10	SW(1) —┬— H(1)	BR			
	└— H(3)	BR			
11	T(10) ——— F(1)	O			AC 20V
12	T(11) ——— F(2)	O			
13	T(12) ——— D1(1)	BL			AC 14V
14	T(13) ——— F1(1)	BL			
15	T(14) ——— D2(1)	R			AC 9V
16	T(15) ——— F2(1)	R			
17	F1(2) ——— D1(2)	BL			
18	F2(2) ——— D2(2)	R			
19	D1(+) — C1(+) — F(3)	GY			+18V
20	D1(-) — C1(-) — F(5.6)	BK			GND
21	D2(+) — C2(+) — F(4)	Y			+13V
22	D2(-) — C2(-) — F(7.8)	BK	↓	↓	GND
23	C1(-) ——— C2(-)	BK	1007	#18	
24	SC(1) —‖— SC(2) (C3)				



NOTES) COVER THE AC 100(V) LINE WITH INSULATING TUBING.

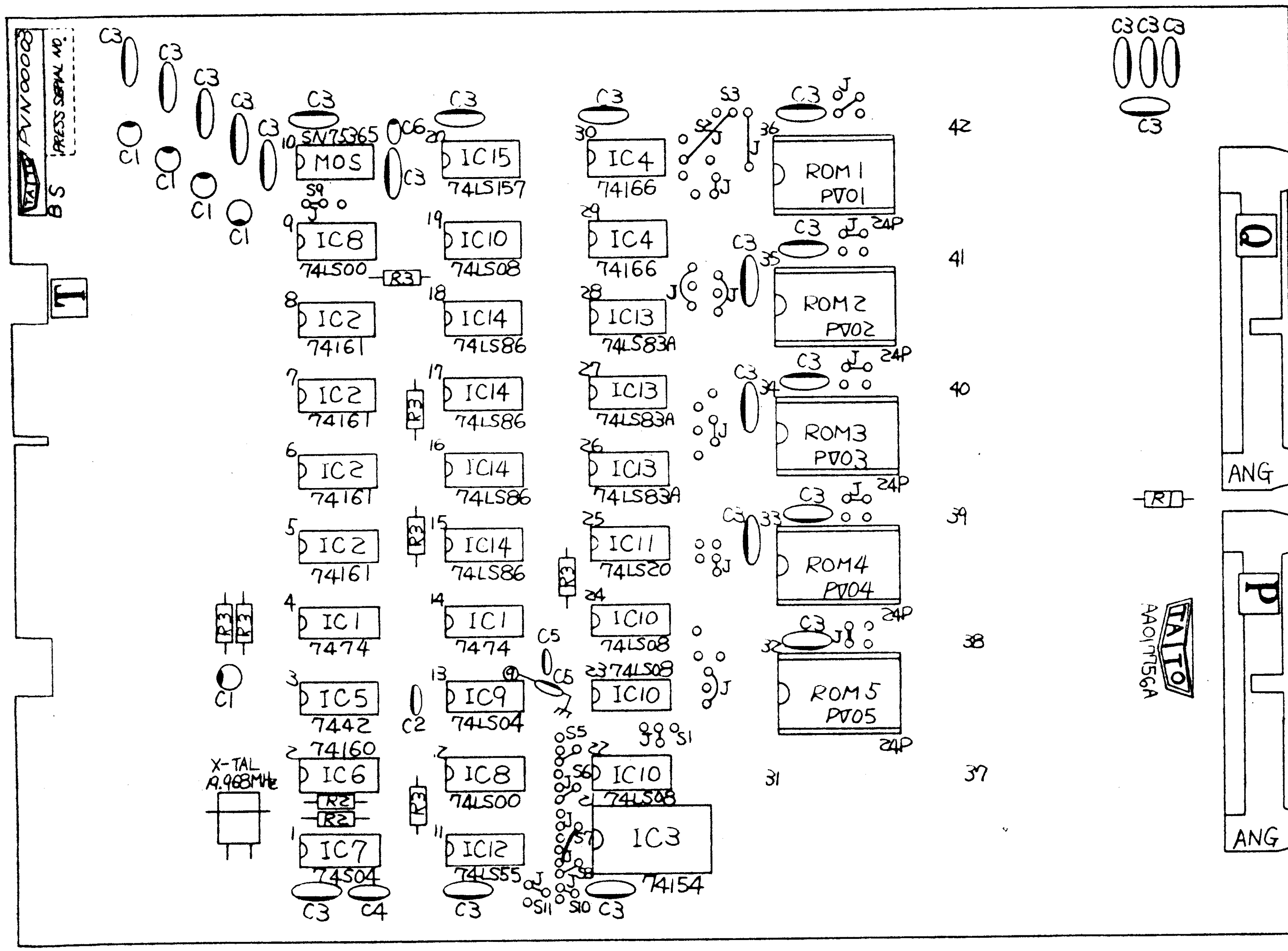
~~PAINT-LOCK ALL SCREWS AND NUTS, (EXCEPT WING NUTS AND WOOD SCREWS.)~~

全てのビス、ナット類にネジロックの事。
但し蝶ナット、木ネジ類は除く。

ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY REQD
	△		FLANGING NUT M3	6
49	△		FLANGING NUT M4	4
48	△	AA069599	TAITO TUBE 8ϕ	~~[illegible]~~ 215mm
47	△E	AA069532	CONVEX CV-100	~~[illegible]~~
46	△	↑ 18506	GROMMET NG-79E	1
45	H	17635	CONNECTOR STICKER H	1
44	H	55790	SOCKET PIN	4
43	H	55562	MATE-N-LOK SOCKET 6P WHITE	1
42	Z	17683	CONNECTOR STICKER Z	1
41	Z	55789	PLUG PIN	5
40	Z	55561	MATE-N-LOK PLUG 6P WHITE	1
39	F	17629	CONNECTOR STICKER F	1
38	F	55790	SOCKET PIN	9
37	F	55582	MATE-N-LOK SOCKET 9P WHITE	1
36	U	17668	CONNECTOR STICKER U	1
35	U	↓ 55790	SOCKET PIN	2
34	U	AA055522	MATE-N-LOK SOCKET 3P WHITE	1
33	△		~~NUT M3~~	~~2~~
32	△		~~LOCK WASHER 3M~~	~~2~~
31			PLAIN WASHER 3M	2
30			PAN HD SCREW M3×8	2
29	C2	AAT41175	CAP. ELECTROLYTIC 35LASN4700	1
28	△		~~NUT M3~~	~~2~~
27	△		~~LOCK WASHER 3M~~	~~2~~
26			PLAIN WASHER 3M	2
25			PAN HD SCREW M3×8	2
24	C1	AAT41172	CAP. ELECTROLYTIC 35LASN1000	1
23	△		~~NUT M3~~	~~2~~
22	△		~~LOCK WASHER 3M~~	~~2~~
21			PAN HD SCREW M3×14	2
20	D1.2	AAT14029	RECTIFIER S4VB	2
19		AA017	FUSE STICKER	1
18		↑ 17	FUSE STICKER	1
17	F2	63	FUSE	1
16	F1	63	FUSE	1
15		55700	FUSE HOLDER F4000	2
14		↓ 17502	SERVICE OUTLET STICKER	1
13		AA017711	STICKER 90V-100V	1
12			PAN HD SCREW M3×8	2
11	C3	AAT41273	CAP. FILM TDY-2G-103	1
10	SC	AA055788	AC SOCKET Box-Type	1
9	SW	AA052535	TOGGLE SWITCH S-2A	1
8			NUT M4	1
7	TER	AA056504	ROUND-TYPE TERMINAL for 4ϕ	1
6			PLAIN WASHER 4M	4
5	△		PAN HD SCREW M4×8	4
4	T	AA057575	TRANSFORMER	1
3	△		~~NUT M4~~	~~4~~
2	△	~~AAL61025~~	~~PLAIN WASHER 4.5ϕ×15ϕ×t0.8~~	~~4~~
1		AA013610	TRANSFORMER MOUNTING BOX	1

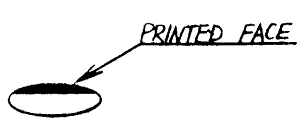
PARTS LIST

THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES TOLERANCES GENERAL ± HOLE DIA + − ANGLES ±	DRAWN [signature] 12.7.'78 DESIGN [signature] 12.7.'78	TAITO CORPORATION.	
MATERIAL	CHECK	NAME C-V-TRANSFORMER MOUNTING BOX ASSY	
FINISH	APPROVED	SIZE A2	CODE IDENT NO. / DWG. NO. CVN00007
DO NOT SCALE DRAWING	APPROVED	SCALE	RELEASE DATE / SHEET

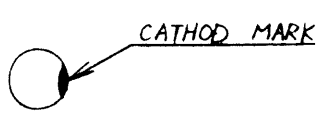


ITEM NO	SYM	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	QTY REQD
47				
46				
45				
44				
43				
42				
41				
40	J		TINNED COPPER WIRE 1φ	200mm
39				
38	R3	AAT 51765	RES., CARBON, 1K OHM 1/4W±5%	7
37	R2	〃 51753	〃 , 330 〃 〃	2
36	R1	〃 51733	RES., CARBON . 47 OHM 1/4W±5%	1
35	C6	〃 41425	CAP., TANTALUM , SSG25-1F	1
34	C5	〃 41330	CAP., CERAMIC, 330PF	2
33	C4	〃 41324	CAP., CERAMIC, 180PF	1
32	C3	〃 41244	CAP., FILM , TDY-1H-104	24
31	C2	〃 41232	CAP., FILM . TDY-1H-102	1
30	C1	AAT 41032	CAP., ELECTROLYTIC , 25VB-10	5
29	ROM5	PVO 90005	P-ROM , PV05	1
28	ROM4	〃 90004	〃 , PV04	1
27	ROM3	〃 90003	〃 , PV03	1
26	ROM2	〃 90002	〃 , PV02	1
25	ROM1	PVO 90001	P-ROM , PV01	1
24	MOS	AAT 35002	MOS DRIVER, SN75365	1
23	IC15	〃 33112	L S I.C , 74LS157	1
22	IC14	〃 33062	〃 , 74LS86	4
21	IC13	〃 33059	〃 , 74LS83A	3
20	IC12	〃 33043	〃 , 74LS55	1
19	IC11	〃 33019	〃 , 74LS20	1
18	IC10	〃 33009	〃 , 74LS08	4
17	IC9	〃 33005	〃 , 74LS04	1
16	IC8	〃 33001	L S I.C , 74LS00	2
15	IC7	〃 32096	TTL I.C , 74S04	1
14	IC6	〃 32086	〃 , 74160	1
13	IC5	〃 32039	〃 , 7442	1
12	IC4	〃 32028	〃 , 74166	2
11	IC3	〃 32027	〃 . 74154	1
10	IC2	〃 32018	〃 , 74161	4
9	IC1	AAT 32011	TTL I.C , 7474	2
8	X-TAL	AAO 69539	X-TAL . 19.968 MHz	1
7	24P	〃 55787	I C SOCKET . 24P	5
6	ANG	〃 55154	ANGLE PIN HEADER , PS-50PA	2
5	T	〃 17665	CONNECTOR STICKER , T	1
4	Q	〃 17656	〃 , Q	1
3	P	AAO 17653	CONNECTOR STICKER . P	1
2	B.S	PVO 700011	P.C BOARD STICKER(B)	1
1		AAO 17756A	C.P.U.- P.C BOARD (A)	1

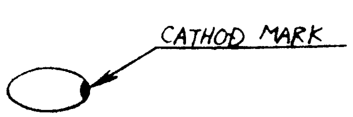
PARTS LIST



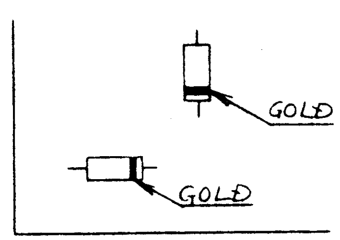
NOTE-1. CAP. FILM & CERAMIC



NOTE-2. CAP. ELECTROLYTIC



NOTE-3. CAP. TANTALUM



NOTE-4.. How To Mount Resistor

THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES
TOLERANCES
GENERAL ±
HOLE DIA ±
ANGLES ±
MATERIAL
FINISH
DO NOT SCALE DRAWING

DRAWN 5.23.79
DESIGN J. Sugahara
CHECK
APPROVED
APPROVED

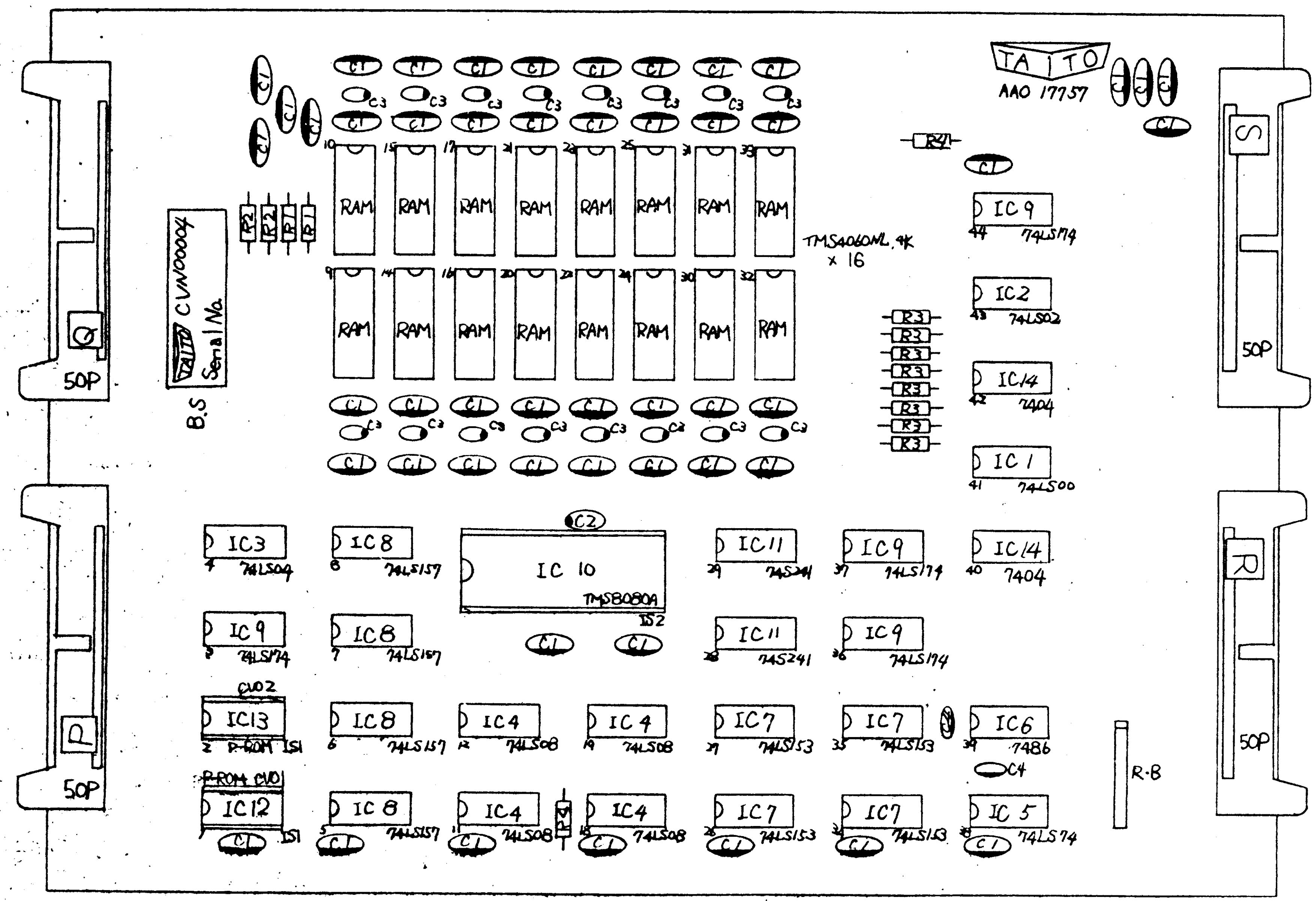
TAITO CORPORATION

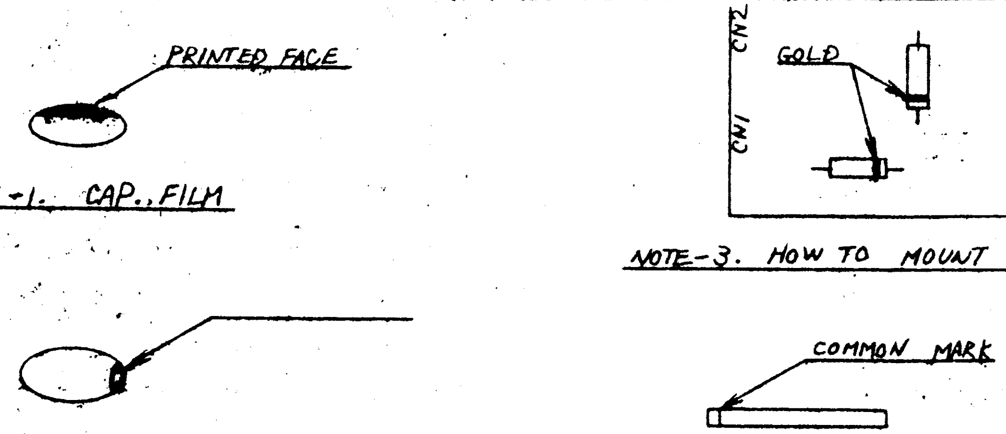
T.T. SPACE INVADERS

NAME PART II COLOR P.V.-C.P.U.-P.C BOARD Assy (2716)

SIZE A2 | CODE IDENT NO. | DWG. NO. PVN00003

SCALE | RELEASE DATE | SHEET





NOTE-1. CAP., FILM

NOTE-2. CAP., TANTALUM

NOTE-3. HOW TO MOUNT RESISTOR

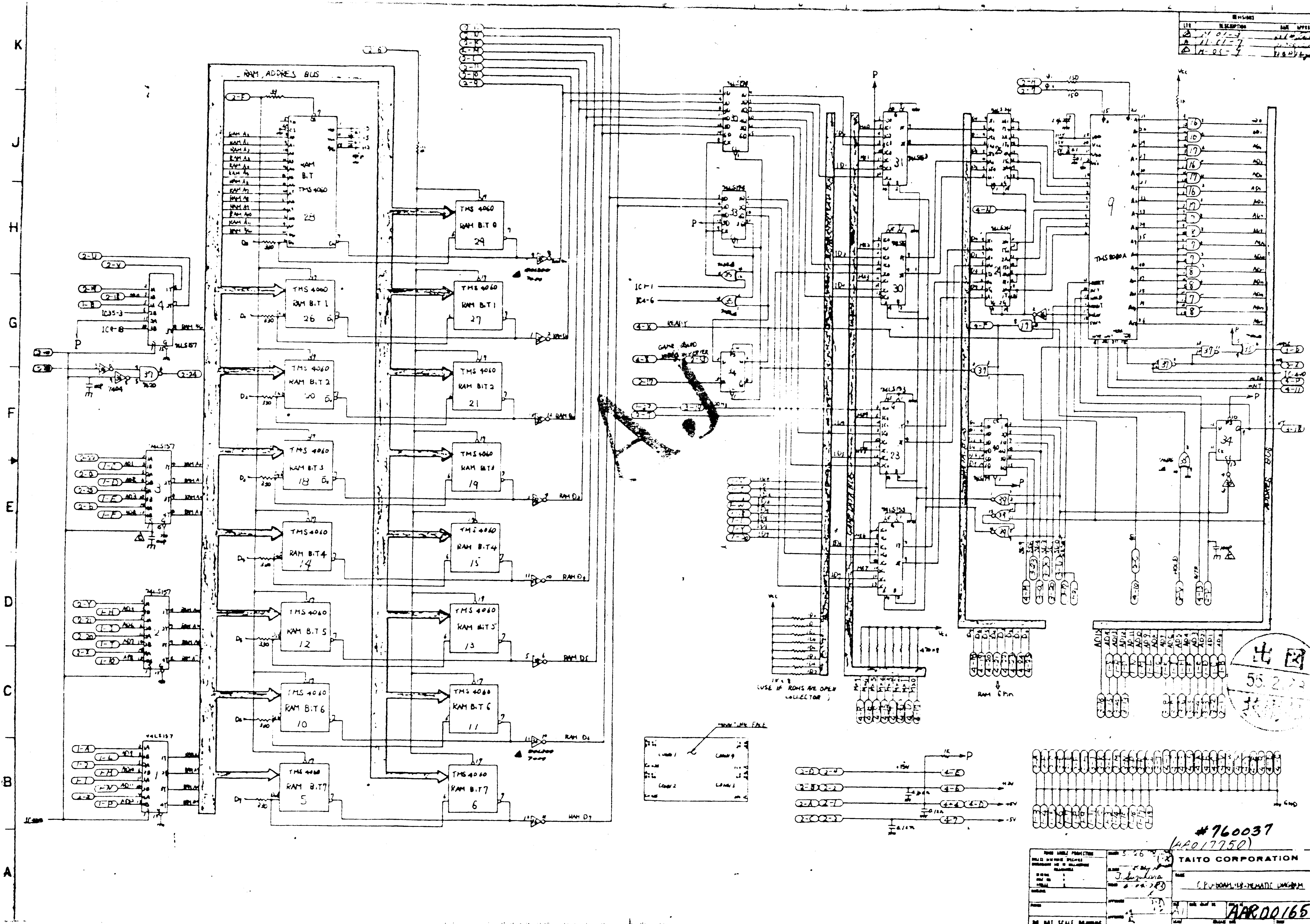
NOTE-4. RESISTOR BLOCK

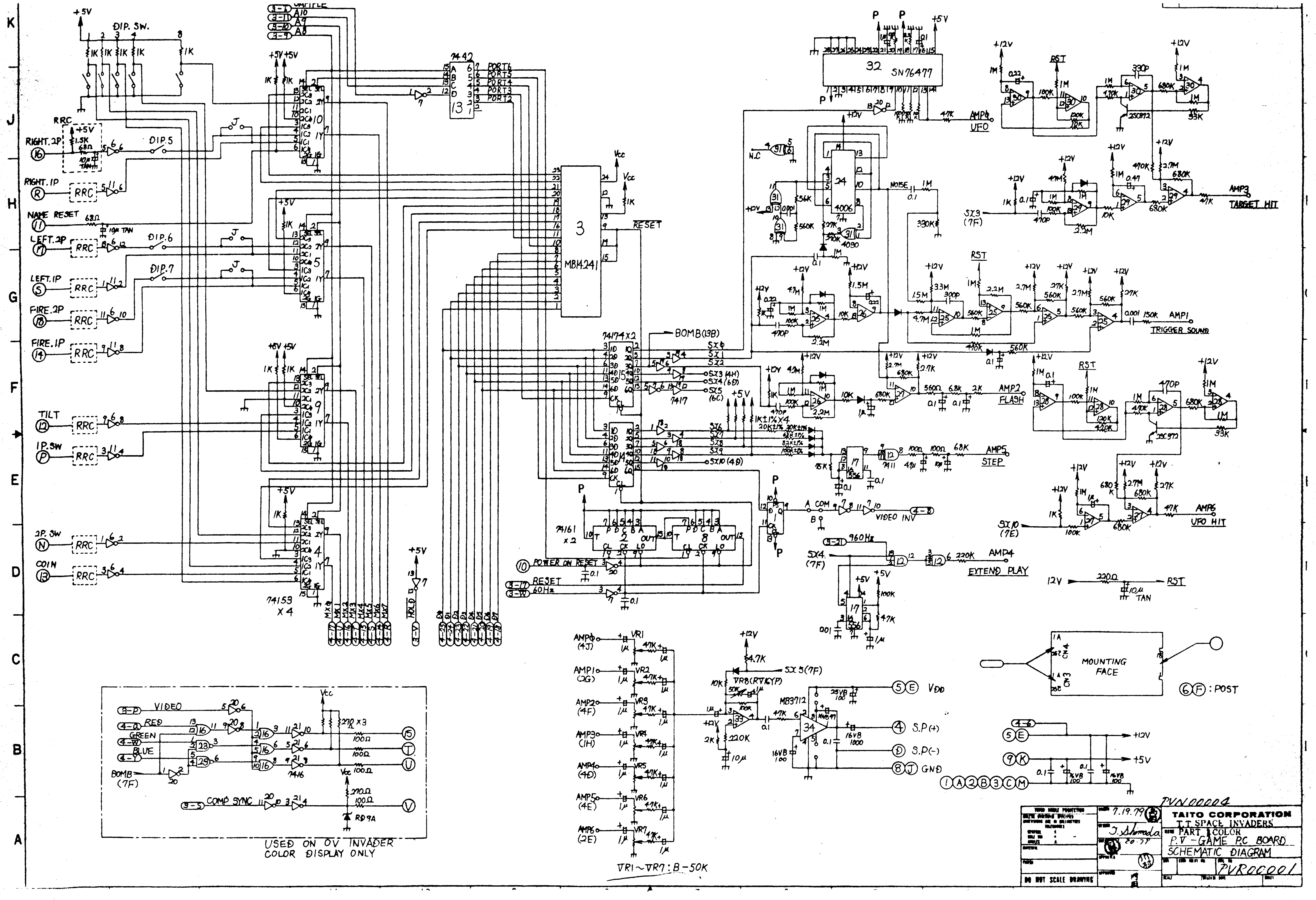
ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY REQD
47				
46				
45				
44				
43				
42				
41				
40				
39				
38				
37				
36				
35				
34				
33	IS2	AAO 55812	I.C SOCKET 40P	1
32	IS1	AAO 55103	I.C SOCKET 18P	2
31	IC14	AAT 32003	TTL I.C , 7404	2
30	C4	AAT 41318	CAP., CERAMIC DT201 100PF 50V	2
29	IC13	CVO 90002	P-ROM CV02	1
28	IC12	CVO 90001	P-ROM CV01	1
27	RB	AAT 55041	RESISTOR BLOCK 470 OHM 8element	1
26	R4	〃 51765	RES., CARBON 1K OHM ¼W±5%	2
25	R3	〃 51753	〃 330 〃 〃	8
24	R2	〃 51745	〃 150 〃 〃	2
23	R1	〃 51729	RES., CARBON 33 OHM ¼W±5%	2
22	C3	〃 41425	CAP., TANTALUM , SSG25-1F	16
21	C2	〃 41424	CAP., TANTALUM , SSG16-22F	1
20	C1	〃 41244	CAP., FILM , TDY-1H-104	50
19	IC11	〃 35001	BUS DRIVER , 74S241	2
18	IC10	〃 34001	C.P.U , TMS8080A	1
17	IC9	〃 33127	LS I.C , 74LS174	4
16	IC8	〃 33112	〃 , 74LS157	4
15	IC7	〃 33168	LS I.C , 74LS153	4
14	IC6	〃 32013	TTL I.C , 7486	1
13	IC5	〃 33051	LS I.C , 74LS74	1
12	IC4	〃 33009	〃 , 74LS08	4
11	IC3	〃 33005	〃 , 74LS04	1
10	IC2	〃 33003	〃 , 74LS02	1
9	IC1	〃 33001	LS I.C , 74LS00	1
8	RAM	AAT 32091	DYNAMIC RAM , TMS4060NL 4k	16
7	50P	AAO 55154	ANGLE PIN HEADER , PS-50PA	4
6	S	〃 17662	CONNECTOR STICKER , S	1
5	R	〃 17659	〃 〃 , R	1
4	Q	〃 17656	〃 〃 , Q	1
3	P	AAO 17653	CONNECTOR STICKER , P	1
2	B.S	CVO 70003	P.C. BOARD STICKER (B)	1
1		AAO 17757	C.P.U.-PC BOARD (B)	1

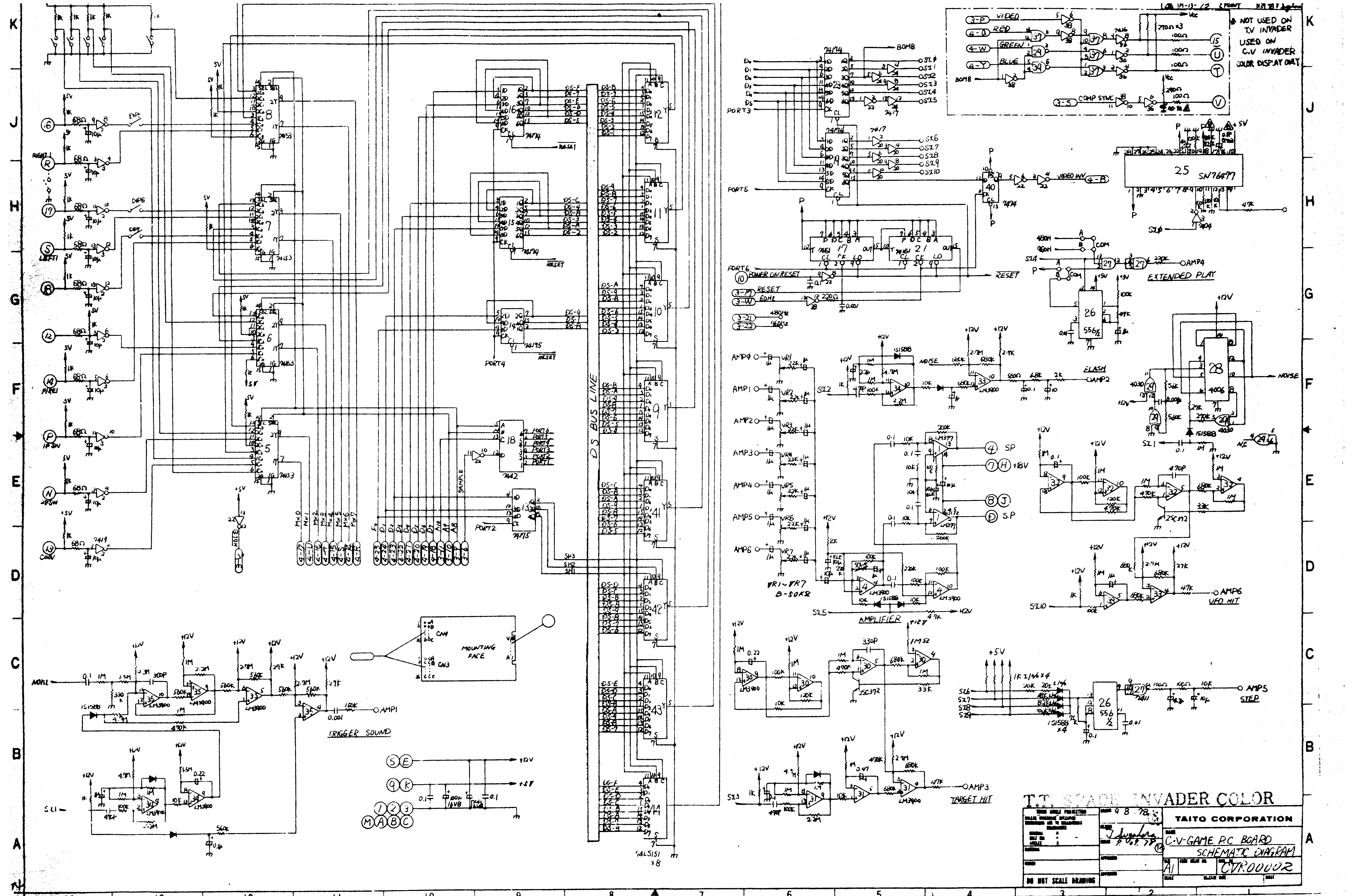
PARTS LIST

THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES TOLERANCES GENERAL ± DECIMAL ± ANGLES ±	DRAWN 8.21.78 DESIGN J. Sugahara CHECK 8.24.78 APPROVED APPROVED	TAITO CORPORATION NAME C-V-C.P.U-BOARD (B) Assy T.T. SPACE INVADER COLOR SIZE A2 CAGE IDENT NO. DWG. NO. CVN00004 SCALE RELEASE DATE SHEET
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

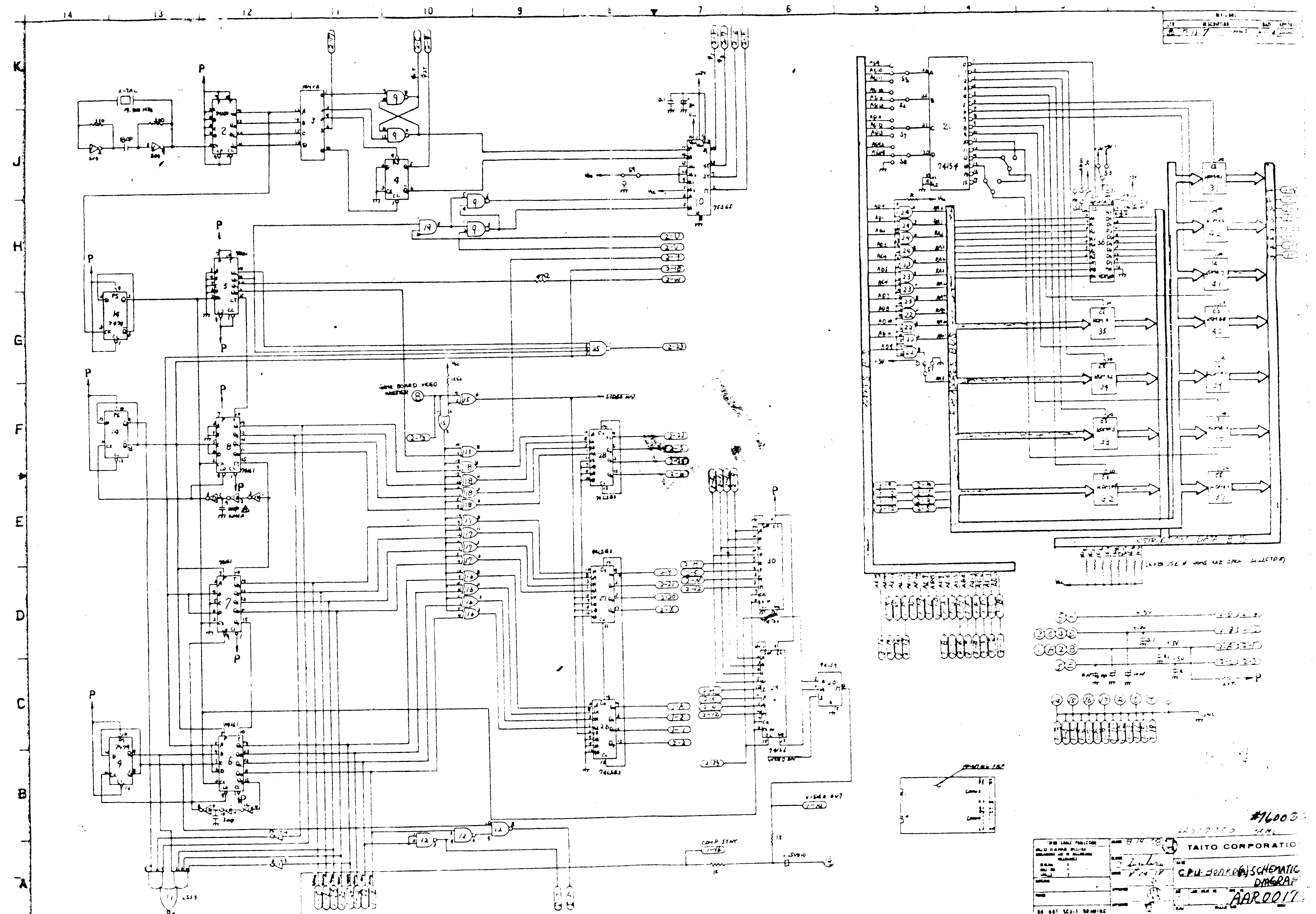
LTR	DESCRIPTION	DATE	APPROVED


RAM ADDRES BUS
RAM BIT TMS 4060 28
TMS 4060 RAM BIT 0 29
TMS 4060 RAM BIT 1 26
TMS 4060 RAM BIT 1 27
TMS 4060 RAM BIT 2
TMS 4060 RAM BIT 2 21
TMS 4060 RAM BIT 3 18
TMS 4060 RAM BIT 3 19
TMS 4060 RAM BIT 4 14
TMS 4060 RAM BIT 4 15
TMS 4060 RAM BIT 5 12
TMS 4060 RAM BIT 5 13
TMS 4060 RAM BIT 6 10
TMS 4060 RAM BIT 6 11
TMS 4060 RAM BIT 7 5
TMS 4060 RAM BIT 7 6
74LS157
TMS 8080 A
9
31
30
23
34
READY
GAME BOARD VIDEO INVERTER
ADDRESS BUS
DATA BUS
(USE IF ROMS ARE OPEN COLLECTOR)
RAM
+5V
-5V
GND
P
Vcc
K
J
H
G
F
E
D
C
B
A
#760037
(AA017750)
TAITO CORPORATION
CPU BOARD SCHEMATIC DIAGRAM
AAR00165


DIP. SW.
RIGHT. 2P
RIGHT. 1P
NAME RESET
LEFT. 2P
LEFT. 1P
FIRE. 2P
FIRE. 1P
TILT
1P. SW
2P. SW
COIN
DIP. 5
DIP. 6
DIP. 7
74153 X 4
7442
PORT6
PORT5
PORT4
PORT3
PORT2
MB14241
RESET
74174 X 2
BOMB (13B)
74161 X 2
POWER ON RESET
60Hz
HOLD
SN76477
4006
4030
NOISE
AMP0 UFO
AMP1 TRIGGER SOUND
AMP2 FLASH
AMP3 TARGET HIT
AMP4 EXTEND PLAY
AMP5 STEP
AMP6 UFO HIT
VIDEO INV
960Hz
2SC972
MB3712
VR1~VR7 : B-50K
VDD
S.P (+)
S.P (-)
GND
+12V
+5V
MOUNTING FACE
6F : POST
VIDEO
RED
GREEN
BLUE
BOMB (7F)
COMP SYNC
RD9A
USED ON OV INVADER COLOR DISPLAY ONLY
DO NOT SCALE DRAWING
7.19.79
T. Shimada
PVN00004
TAITO CORPORATION
T.T SPACE INVADERS
PART 1 COLOR
P.V - GAME P.C BOARD
SCHEMATIC DIAGRAM
PVR0C001



NOT USED ON T.V INVADER
USED ON C.V INVADER COLOR DISPLAY ONLY
VIDEO
RED
GREEN
BLUE
BOMB
COMP SYNC
DS BUS LINE
PORT2
PORT3
PORT4
PORT5
PORT6
POWER ON RESET
RESET
60Hz
480Hz
960Hz
SN76477
EXTENDED PLAY
NOISE
FLASH
AMP1
AMP2
AMP3
AMP4
AMP5
AMP6
VR1~VR7 B-50KΩ
AMPLIFIER
UFO HIT
TRIGGER SOUND
TARGET HIT
STEP
SAMPLE
HOLD
MOUNTING FACE
CN4
CN3
74LS151 x8
74153
74174
74175
7442
7417
LM3900
LM377
556
4006
2SC372
1S1588
+12V
+5V
+18V
SP
S.P
T.T. SPACE INVADER COLOR
TAITO CORPORATION
C-V-GAME P.C BOARD
SCHEMATIC DIAGRAM
CVR00002
DO NOT SCALE DRAWING



X-TAL
GAME BOARD VIDEO
VIDEO OUT
COMP SYNC
VIDEO INV
74LS83
74166
74161
74154
74LS85
DO NOT SCALE DRAWING
8.14.78
TAITO CORPORATION
CPU-BOARD (A) SCHEMATIC DIAGRAM
AAR0017
#760033